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<http://www.spenvis.oma.be/intro.php>

SPENVIS

NAVIGATION

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The Space Environment Information System

Welcome to [ESA's](#) Space Environment Information System, a WWW interface to models of the space environment and its effects, including the cosmic rays, natural radiation belts, solar energetic particles, plasmas, gases, and "micro-particles".

Registration
Use of SPENVIS on this site is **free of charge**, but a user registration is required. Please read the [terms & conditions](#) before registering.

If you are student or teacher, please read [this](#) first.

[Register now](#)

Space Situational Awareness
In the framework of ESA's Space Situational Awareness Programme, the version 4.6.4 of SPENVIS has been re-deployed in Redu Data Centre.

Need help?
Beside a large set of contextual help pages, the SPENVIS system includes a forum (🗨️) where users can exchange their experiences and tips. In case of problems, please consult our bug tracker system (🐛) and feel free to post any bugs.

If you have forgotten your password, you can reset it [here](#). If you want to change your password, you can do it [here](#).

System requirements
SPENVIS requires a browser with JavaScript support (tested with Firefox 23 and MS-IE 9). Some outputs require a [VRML/X3D plugin](#) (tested with Octaga Player 2.3.0.3).

Current version
The current version of SPENVIS (**4.6.7**) was [released](#) on October 4, 2013.

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ESA Technical Officer: H. Evans



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Username: carso_stud 1-13

Password: spacenv

 **SPENVIS Project: PIPPO**
Model packages
Planet: Earth

Coordinate generators
Spacecraft trajectories
or
Geographical coordinate grids
Radiation sources and effects
Spacecraft charging
Atmosphere and Ionosphere
Magnetic field
Meteoroids and debris
Miscellaneous
Geant4 Tools
ECSS Space Environment Standard




The models implemented in SPENVIS are combined in the packages listed above. Clicking on a package name will expand the table with a list of models. Some model suites have to be executed in a prescribed order. Model links will not be available when pre-required runs have not been executed yet. Most models run on both a spacecraft trajectory and a geographical coordinate grid. Clicking on the coordinate generator links and returning to this page toggles between the two sets of coordinates. The model links will adapt to the choice of coordinates.

The model pages have deliberately been kept as concise as possible. A navigation bar is figured at the top of each SPENVIS page. The [Help](#) link in the bottom right hand corner of this bar points to context sensitive help pages, which in turn contain their own navigation system, including access to guidelines on model usage and background information on the space environment.

Please do not use your browser's **Back** or **Forward** buttons (except for navigating in the help pages), as these actions do not save input parameters. Full navigation between model pages is available through the menu bar at the top of each page and the action buttons featured on each page.

For additional assistance (after consulting the help pages) and feedback, please contact the [SPENVIS team](#).

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**SPENVIS Project: PIPPO**
Project management


Please define a project. It will be used to gather both input and output of all the models you will use. You could define more than one project.

Action: Create a new project

Project settings

Name	<input type="text"/>
Title	<input type="text"/>
Abstract	<div>No abstract.</div>
Import from	no import

Execute

© ESA

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SPENVIS Project: XXX
Model packages
Planet: Earth




Coordinate generators

Radiation sources and effects

Spacecraft charging

Atmosphere and ionosphere

Magnetic field

Meteoroids and debris

Miscellaneous

Geant4 Tools

ECSS Space Environment Standard

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SPENVIS Project: XXX
Model packages
Planet: Earth




Coordinate generators
<u>Spacecraft trajectories</u>
or
<u>Geographical coordinate grids</u>
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